

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460



OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES
Antimicrobials Division

November 29, 1999

SUBJECT: PRODUCT CHEMISTRY REVIEW OF:
Chlorinating Granules Plus

DP Barcode: 259432

Manufacturing-use [] OR

Reg. No. Or File Symbol: 672262-EO

End-use Product [X]

TO: Robert Brennis/Marianne Clark
PM team No. #32

FROM: Nancy Whyte, Chemist
Product Science Branch, CTT Team
Antimicrobials Division (7510C)

[Handwritten signature]
12/4/99

THRU: Karen P. Hicks, CT Team Leader
Product Science Branch
Antimicrobials Division (7510C)

THRU: Michele E. Wingfield, Chief
Product Science Branch
Antimicrobials Division (7510C)

Product Formulation	Active Ingredient
Trichloro-s-triazinetrione	71.8 %
Boron sodium oxide, pentahydrate	8.0

BACKGROUND:

The registrant has submitted to the Agency the product chemistry data for Series 830 Guidelines, Part B which are the physical and chemical characteristics of the product. Previously submitted were the data for 830, Part A which were approved at the time of that review. The initial review of this submission was conducted at Oak Ridge National Laboratories. Also included in this submission was the Confidential Statement of Formula.

FINDINGS:

1. One of the active ingredients, boron sodium oxide, pentahydrate, is listed by this designation on the label in the ingredients claim statement and as disodium baborate pentahydrate, an unusual synonym for this product, on the Confidential Statement of Formula.
2. The physical and chemical characteristics provided in MRID 449166-1 and 449166-2 are acceptable. The storage stability and corrosion characteristics are one-year studies and final results are pending.
3. The certified upper and lower limits for the inert ingredients do not meet the Agency standards as listed in 40 CFR, Part 158.175 (b)(c). These standards are
If the nominal concentration is <1%, the certified limits are +/- 10% of the nominal
If the nominal concentration is 1.0-20%, the certified limits are +/- 5% of the nominal
If the nominal concentration is >20%, the certified limits are +/- 3% of the nominal.

RECOMMENDATIONS:

1. The registrant should revise the Confidential Statement of Formula to show the active ingredient as ***boron sodium oxide*** so that the Confidential Statement of Formula and the label ingredient claims statement are in agreement and meet recommendations of PR Notice 91-2.
2. The upper and lower certified limits of the inert ingredients should be adjusted to meet the Agency standards. If the registrant wishes to propose limits outside the Agency range, then data, stating an explanation for the wider ranges (natural products, manufacturing variations), should be submitted to the Agency for review.
3. The Confidential Statement of Formula, dated September 3, 1999 is unacceptable until it is revised and submitted to the Agency for approval.

Robin
FQPA

TASK ASSIGNMENT FORM(TAF)
Antimicrobial Division/OPP (Effective November 18, 1998)

ORNL, DW89936171; PO: Peter Thompson

A -- Completed by Reviewer/Team Leader (check(✓) or complete appropriate boxes)

RASSB _____	PSB _____	Product Toxicology _____	Human Toxicology _____	Product Chemistry X	Efficacy _____
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Chemical: trichloro-s-triazinetriene	DP Barcode: D259432
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Type: Registration **X** RED _ Prod. Reregistration: FQPA **X** Special Project _ Lit. Search _ Other _____

Chemical Case Number for RED:

Due Date: 10/17/99	AD Contact: Nancy Whyte	Team Leader: Karen Hicks
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B -- Completed by Reviewer/Team Leader

C - Completed By Contractor

Study/Action	MRID#	GDLN #	Gov't Est Hrs	Tech Hrs. Spent
Group B - Chemical and Physical Properties Assessment of Granular Chlorine	449166-01	63-2, 3, 4, 6, 8, 12, 18,	4	5
30 - Day Accelerated Stability Evaluation of Granular Chlorine	449166-02	63-17, 20,	4	5

Review Instructions/Comments: Please return all submitted data and paperwork. Please submit hard copy as well as disk.

Thank you!

See attached page _

D -- Completed by WAM/PO

Action No: KO124	Date Sent: 9/22/99	WAM/PO: NE	Branch Chief (For Special Projects):
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E -- Completed by Contractor

Date Delivered:	Delivery : Fed Ex _	Courier _	Electronic _	Other _
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Principal Reviewers:

Issues/Comments for Secondary Reviewer Attention: Requires 1yr sta. stab. test and corrosion characteristic studies. PC code check found only active ingredient PC codes. label may need revision.

See attached page _

F -- Completed by Secondary Reviewer(Antimicrobial Division)

Minor Changes/Resolution with Contractor _____	Major Changes/Resolution with Contractor _____
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Secondary Review Hours _____	Accepted _____	Unacceptable _____
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Reviewer Comments Recommendations:

See attached page_